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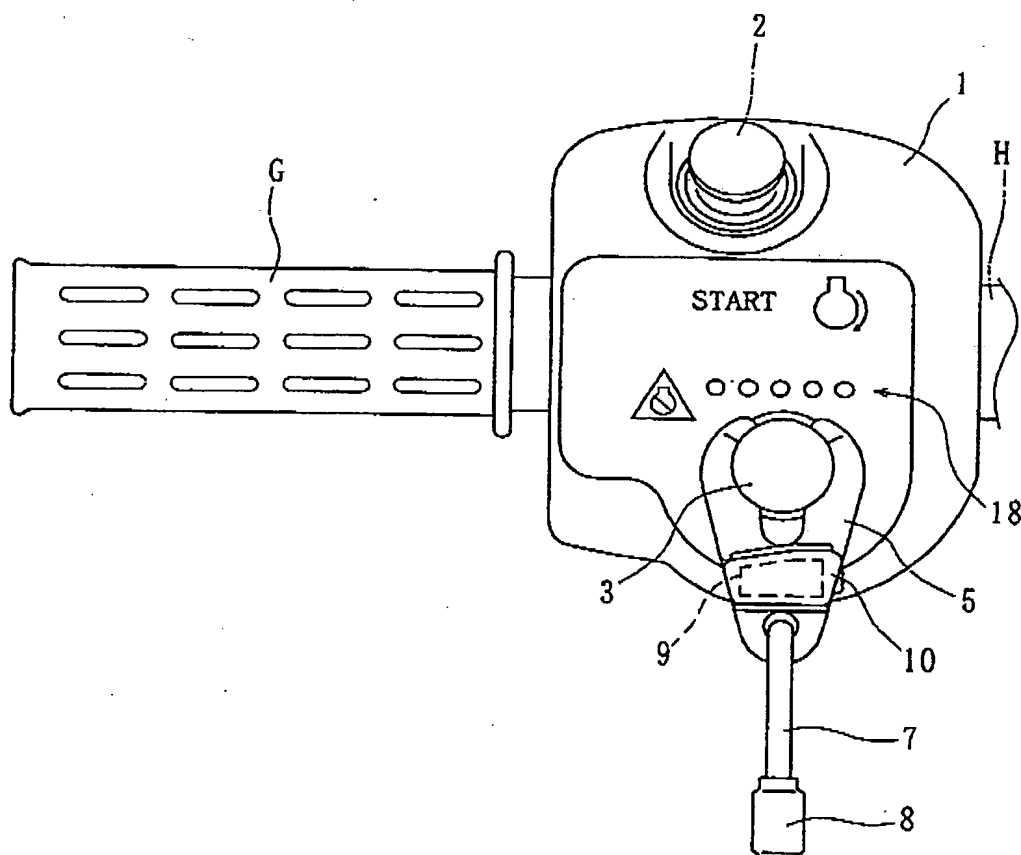
整理番号=ASDP0100

提出日 平成15年 3月 6日
特願2003-060294 頁: 1/ 9~~【書類名】 図面~~~~【図1】~~

Fig. 1

Michiyuki SUZUKI
ENGINE CONTROL APPARATUS
Filing Date: March 03, 2004
Darryl Mexic 202-293-7060
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Q80225



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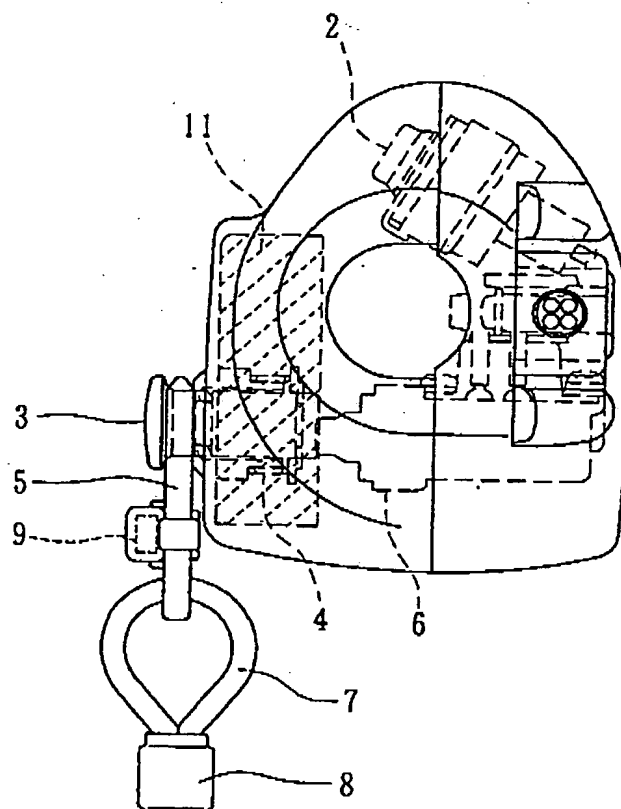
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〔図2〕

Fig. 2

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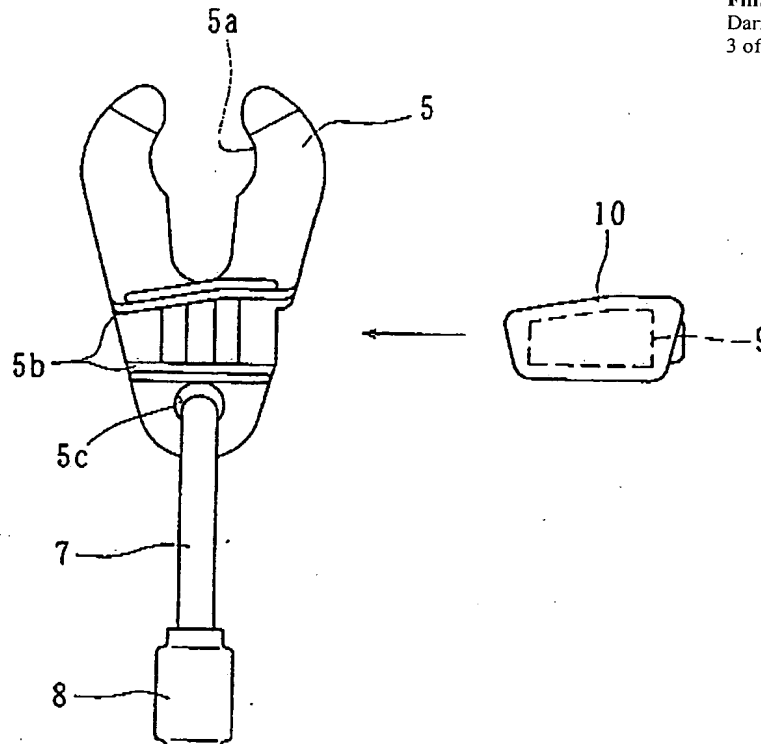
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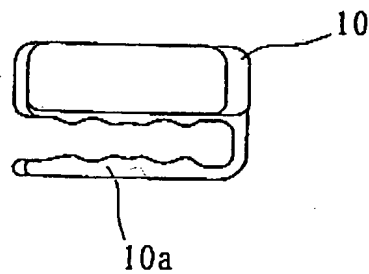
-[図3]

Fig. 3



-[図4]

Fig. 4

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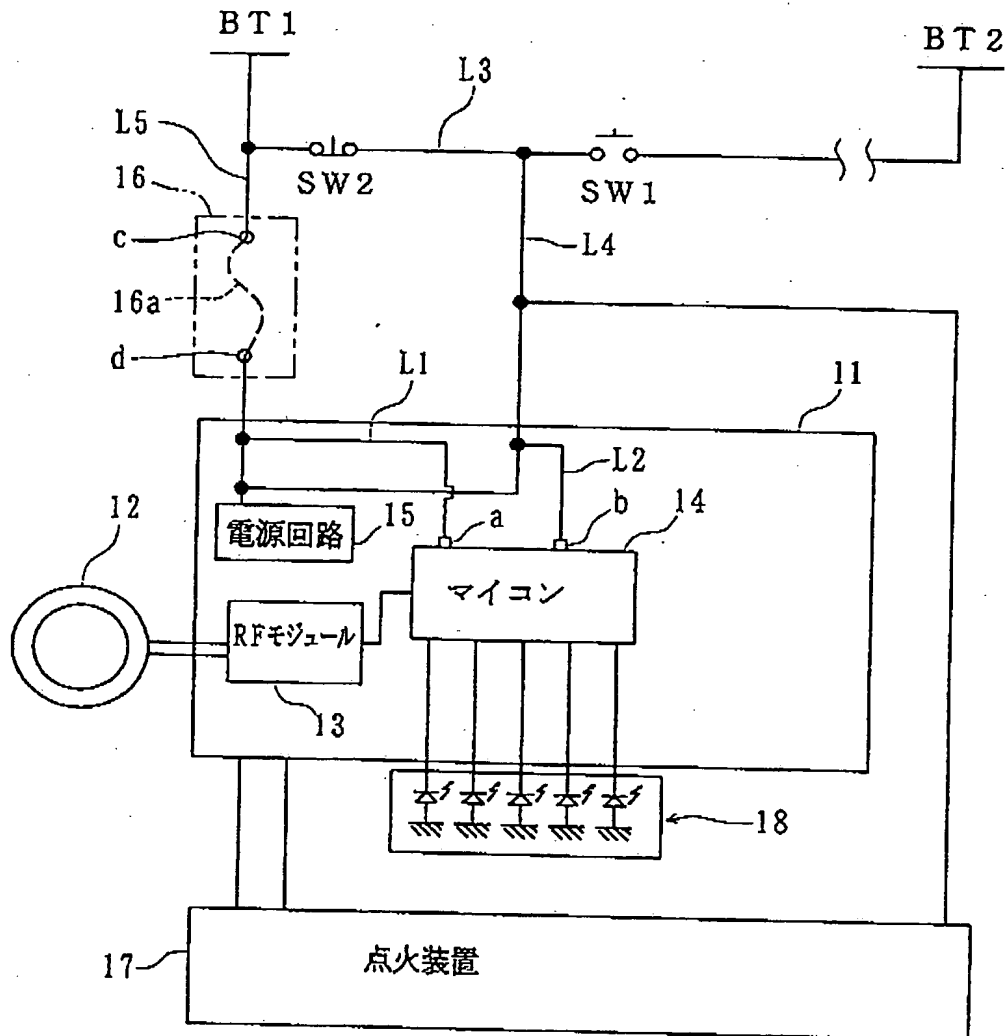
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-[図5]-

Fig. 5

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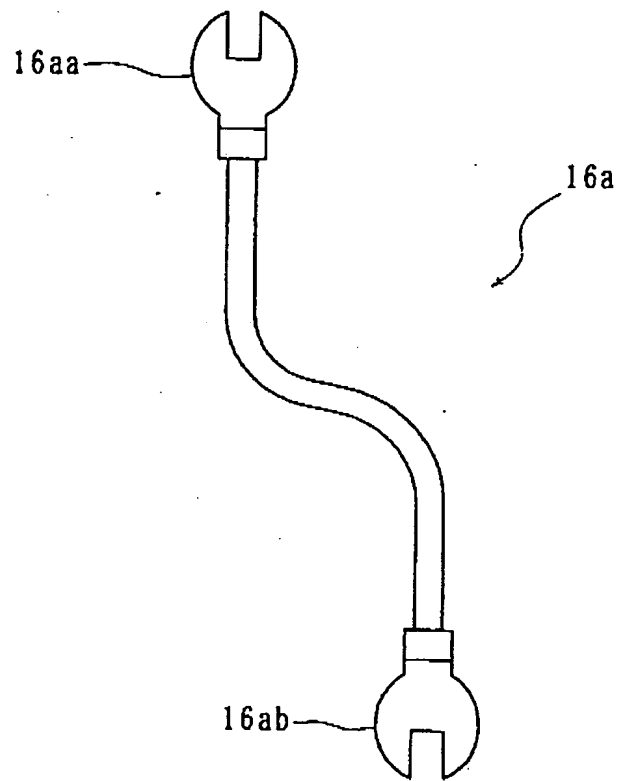
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-【図6】-

Fig. 6

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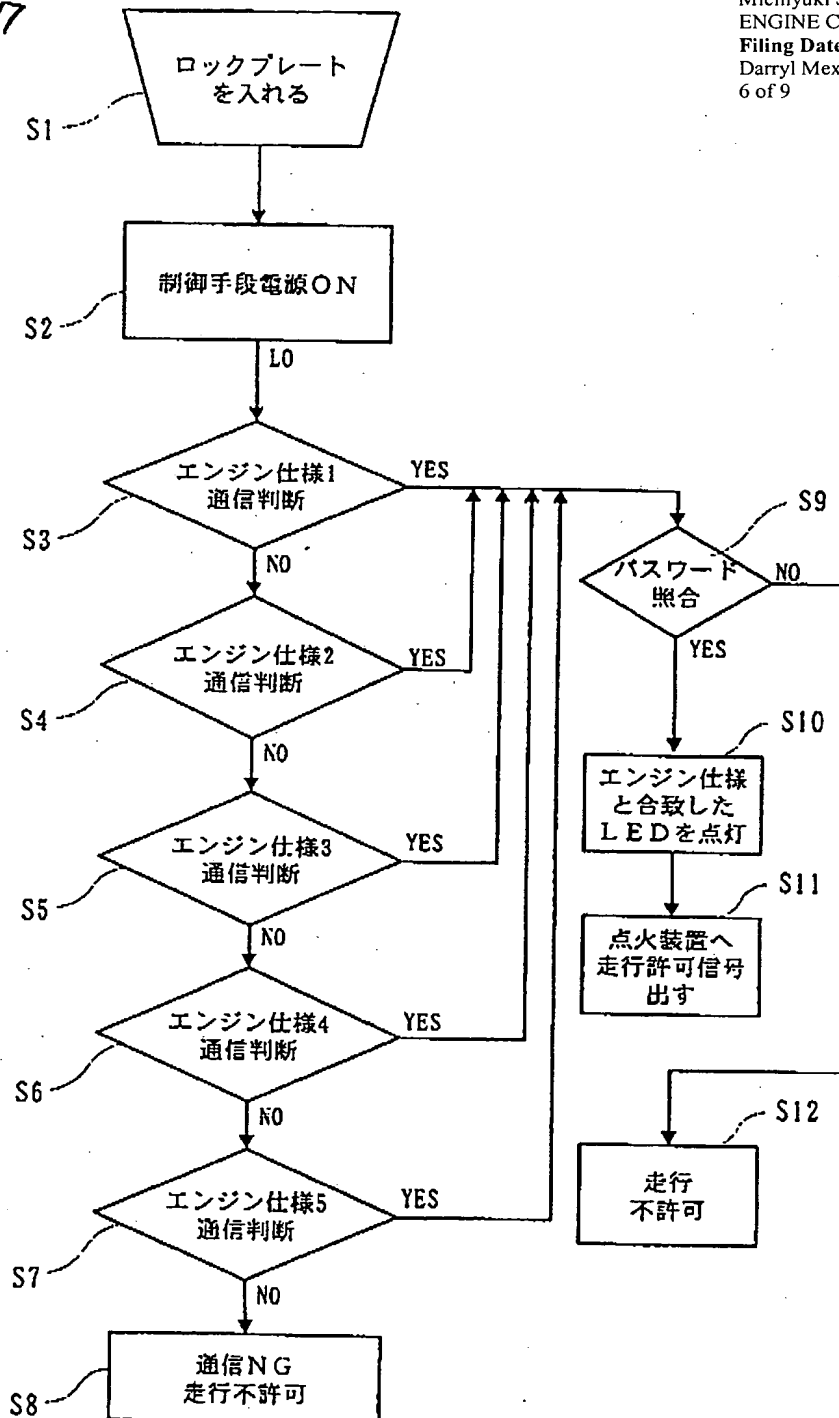


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〔図7〕

Fig. 7



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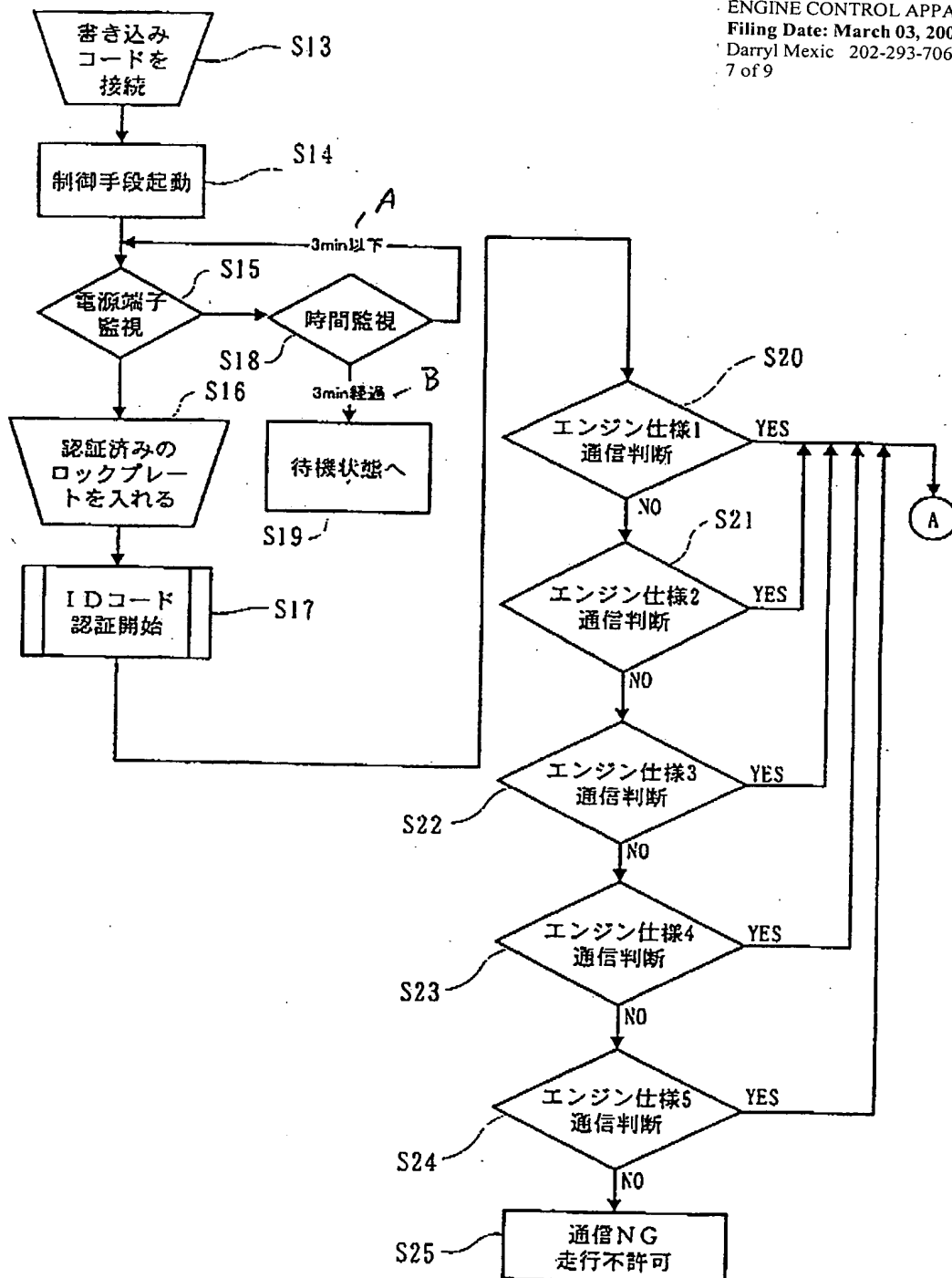
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〔図8〕

Fig. 8

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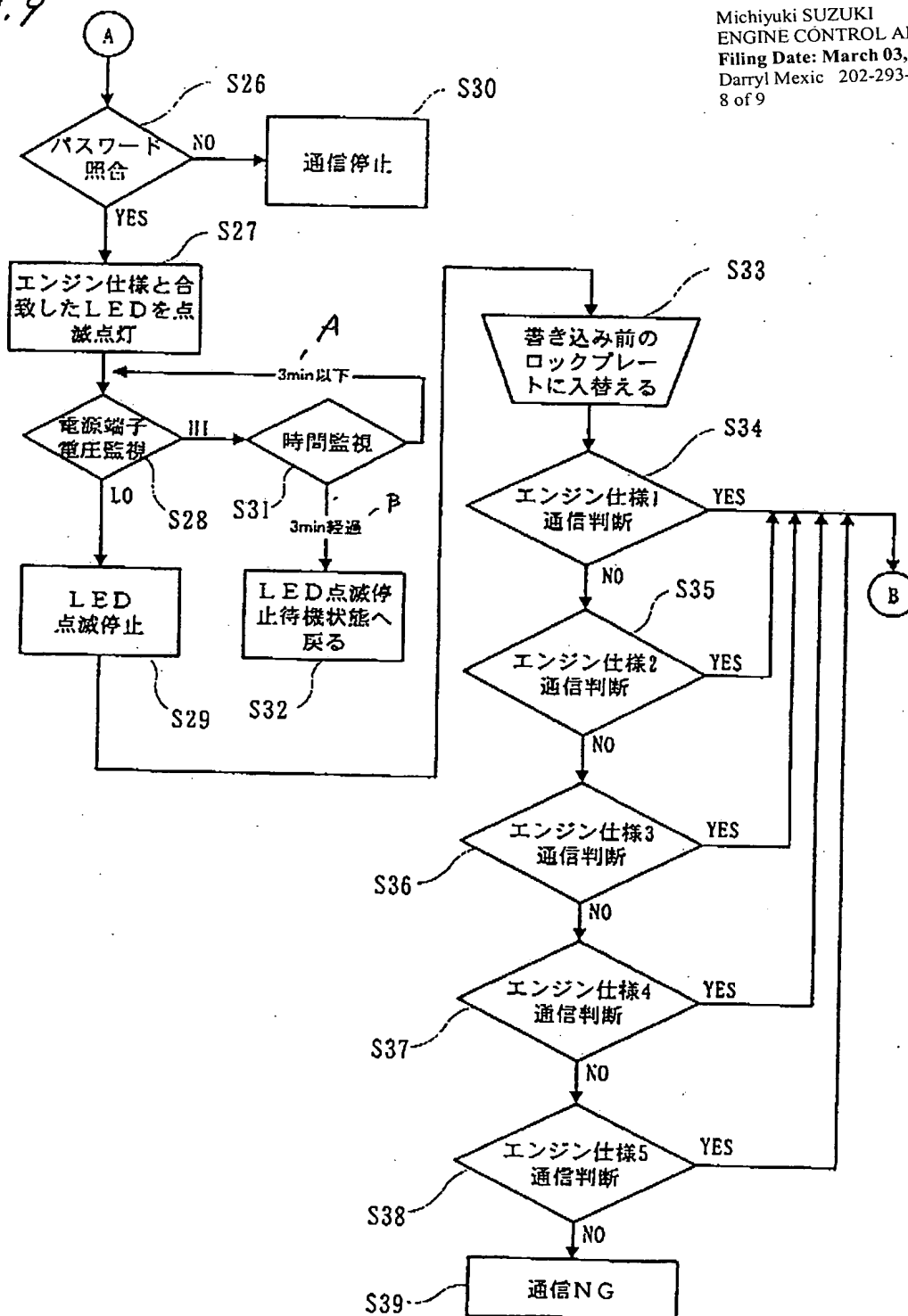
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【図9】

Fig. 9



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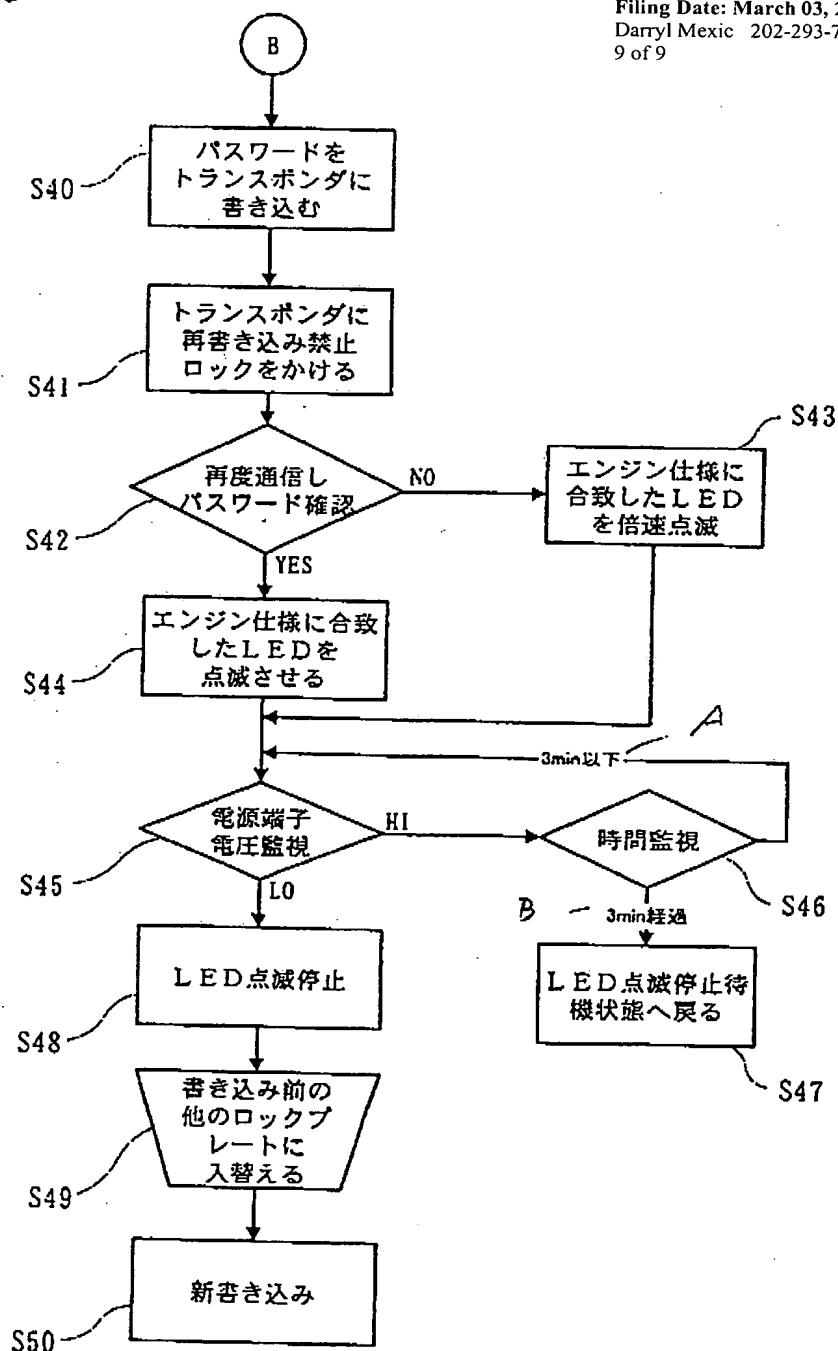
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-【図10】-

Fig. 10

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[Fig. 5]

- 13 RF module
- 14 Microcomputer
- 15 Power source circuit
- 17 Ignition apparatus

[Fig. 7]

- S1 Lock plate is inserted.
- S2 Power source of control section is ON.
- S3 Communication is determined for engine specification (1).
- S4 Communication is determined for engine specification (2).
- S5 Communication is determined for engine specification (3).
- S6 Communication is determined for engine specification (4).
- S7 Communication is determined for engine specification (5).
- S8 Communication has failed and boat is not permitted to run.
- S9 Password is verified.
- S10 LED corresponding to engine specification is flashed.
- S11 Running permission signal is provided to ignition apparatus.
- S12 Boat is not permitted to run.

[Fig. 8]

- S13 Writing code is connected.
- S14 Control section is started.
- S15 Power source terminal is monitored.

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- S16 Authenticated lock plate is inserted.
- S17 Authentication of ID code is started.
- S18 Time is monitored.
- S19 To stand-by status.
- S20 Communication is determined for engine specification (1).
- S21 Communication is determined for engine specification (2).
- S22 Communication is determined for engine specification (3).
- S23 Communication is determined for engine specification (4).
- S24 Communication is determined for engine specification (5).
- S25 Communication has failed and boat is not permitted to run.
- A Three minutes or less
- B Three minutes pass

[Fig. 9]

- S26 Password is verified.
- S27 LED corresponding to engine specification is flashed.
- S28 Voltage of power source terminal is monitored.
- S29 LED stops flashing.
- S30 Communicating is stopped.
- S31 Time is monitored.
- S32 LED stops flashing and process returns to stand-by status.
- S33 Lock plate before being written is exchanged.
- S34 Communication is determined for engine specification (1).
- S35 Communication is determined for engine specification (2).
- S36 Communication is determined for engine specification (3).

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S37 Communication is determined for engine specification (4) .

S38 Communication is determined for engine specification (5) .

S39 Communication has failed.

A Three minutes or less

B Three minutes pass.

[Fig. 10]

S40 Password is written to transponder.

S41 Transponder is locked to prevent the transponder from being written again.

S42 Communication is provided again to verify password.

S43 LED corresponding to engine specification is flashed at double speed.

S44 LED corresponding to engine specification is flashed.

S45 Voltage of power source terminal is monitored.

S46 Time is monitored.

S47 Process returns to status in which LED stops flashing.

S48 LED stops flashing.

S49 Another lock plate before being written is exchanged.

S50 New writing

A Three minutes or less

B Three minutes pass.